

**EXHIBIT 2:
PUBLICATIONS
DAVID H. PERSING, M.D., PH.D.**

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PUBLICATIONS

DAVID H. PERSING, M.D., PH.D.

Books:

Persing, D.H., T.F. Smith, T.J. White, and F. Tenover (eds). (1993) Diagnostic Molecular Microbiology: Principles and Applications, ASM Press, Washington, DC

Persing, D.H. (1996) PCR Protocols for Emerging Infectious Diseases, ASM Press, Washington, DC

Book Chapters & Reviews:

Persing, D.H., H.E. Varmus, and D. Ganem. (1985) Antibodies to preS and X determinants arise during natural infection with ground squirrel hepatitis virus. In *The Molecular Biology of Hepatitis Viruses*, Cold Spring Harbor Press.

Persing, D.H., H.E. Varmus, and D. Ganem. (1986) Inhibition of secretion of hepatitis B surface antigen by a related presurface polypeptide. In *The Molecular Biology of Hepatitis Viruses*, Cold Spring Harbor Press.

White, T.J., R. Madej, and D.H. Persing. (1992) The polymerase chain reaction: clinical applications. In *Advances in Clinical Chemistry*, Academic Press, San Diego, CA, pp. 161-196.

Persing, D.H. (1992) Nucleic acid amplification techniques in the diagnosis of infectious diseases. In *Clinical Laboratory Medicine*, R. C. Tilton, ed., Mosby Year Book, pp. 572-581.

Campbell, S., P. Fiedler, and D.H. Persing. (1992) Nucleic acid amplification techniques in clinical diagnostics. In Manual of Clinical Laboratory Immunology, American Society for Microbiology, Washington, DC.

Persing, D.H., S.W. Barthold, and S.E. Malawista. (1992) Molecular detection of *Borrelia burgdorferi*. In *Lyme Disease: Molecular and Immunologic Approaches*, Cold Spring Harbor Laboratory Press, pp. 299-315.

Barthold, S.W., M. de Souza, E. Filrig, and D.H. Persing. (1992) Lyme borreliosis in the laboratory mouse. In *Lyme Disease: Molecular and Immunologic Approaches*, Cold Spring Harbor Laboratory Press, pp. 223-242.

Podzorski, R.P., and D.H. Persing. (1995) Molecular detection and identification of microorganisms. In *Manual of Clinical Microbiology*, 6th edition, Murray PR, Baron EJ, Pfaller MA, Tenover FC, Tenover FC (eds.), pp. 130-157, ASM Press, Washington, DC.

Relman, D.A., and D.H. Persing. (1996) Genotypic methods for microbial identification. In PCR Protocols for Emerging Infectious Diseases, ASM Press, Washington, DC, pp. 3-31.

Persing, D.H., D.A. Relman, and F.C. Tenover. (1996) Genotypic detection of antimicrobial resistance. In PCR Protocols for Emerging Infectious Diseases, ASM Press, Washington, DC, pp. 33-57.

Hofmeister, E.K., D.H. Persing, L. Mann, and G.L. Woods. (1996) Spirochete infections. In Clinical Diagnosis and Management by Laboratory Methods. Henry, J.B. (Ed.), 19th edition, W.B. Saunders, Philadelphia, PA.

Whelan, A.C., and Persing, D.H. (1996) The role of nucleic acid amplification and detection in the clinical laboratory. *Ann. Rev. Microbiol.* 50:349-73.

Persing, D.H. (1997) Babesiosis. In Pathology of Infectious Diseases, Volume I & II. Connor, D.H., F.W. Chandler, H.J. Manz, D.A. Schwartz, and E.E. Lack (Eds.), Appleton & Lange, Stamford, CT.

Zheng, X., and D.H. Persing. Genetic amplification techniques for the diagnosis of infectious disease. In Rapid Methods. Specter, S. (Ed.)

Original Articles:

Persing, D.H., L. McGinty, C.W. Adams, and R.G. Fowler. (1981) Mutational specificity of the base analogue, 2-aminopurine, in *E. coli*. *Mutation Research* 83:25-37.

Caras, I.W., M.A. MacInnes, D.H. Persing, P. Coffino, and D.W. Martin. (1982) Mechanism of 2-aminopurine mutagenesis in mouse T-lymphosarcoma cells. *Mol. Cell. Biol.* 2:1096-1103.

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Persing, D.H., S.R. Telford III, P.N. Rys, D.E. Dodge, T.J. White, S.E. Malawista, and A. Spielman. (1990) Detection of *Borrelia burgdorferi* DNA in museum specimens of *Ixodes dammini* ticks. *Science* 249:1420-1423.

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Persing, D.H., D. Mathiesen, W.F. Marshall, S.R. Telford III, A. Spielman, J.W. Thomford, and P.A. Conrad. (1992) Detection of *Babesia microti* by polymerase chain reaction. *J. Clin. Microbiol.* 30:2097-2103.

Armstrong, A.L., S.W. Barthold, D.H. Persing, and D.S. Beck. (1992) Carditis in Lyme disease susceptible and resistant strains of laboratory mice infected with *Borrelia burgdorferi*. *Am. J. Trop. Med. Hyg.* 47(2):249-258.

Conrad, P.A., J. Thomford, A. Marsh, S.R. Telford III, J. Anderson, A. Spielman, E. A. Sabin, I. Yamane, and D.H. Persing. (1992) Ribosomal DNA probe for differentiation of *Babesia microti* and *B. gibsoni* isolates. *J. Clin. Microbiol.* 30:1210-1215.

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Fikrig, E., S.W. Barthold, D.H. Persing, X. Sen, F.S. Kantor, and R.A. Flavell. (1992) *Borrelia burgdorferi* strain 25015: characterization of *OspA* and vaccination against infection. *J. Immunol.* 148:2256-2260.

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Yang, L., J.H. Weis, E. Eichwald, C.P. Kolbert, D.H. Persing, and J.J. Weis. (1994) Heritable susceptibility to *Borrelia burgdorferi* induced arthritis is dominant and is associated with persistence of high numbers of spirochetes in tissues. *Infect. Immun.* 62:492-500.

Thomford, J.W., P.A. Conrad, S.R. Telford, D. Mathieson, B.H. Bowman, A. Spielman, M.J. Eberhard, B.L. Herwaldt, R.E. Quick, and D.H. Persing. (1994) Cultivation and phylogenetic characterization of a newly recognized human pathogenic protozoan. *J. Infect. Dis.* 169:1050-1056.

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Persing, D.H., B.L. Herwaldt, C. Glaser, R.S. Lane, J.W. Thornford, D. Mathiesen, P.J. Krause, D.F. Phillip, and P.A. Conrad. (1995) Infection with a Babesia-like organism in northern California. *N. Engl. J. Med.* 332:298-303.

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Fikrig, E., B. Liu, L.L. Fu, S. Das, R.A. Flavell, D.H. Persing, R.T. Schoen, S.W. Barthold, and S.E. Malawista. (1995) An *ospA* frameshift, identified from DNA in Lyme arthritis synovial fluid, results in an Osp that does not bind protective antibodies. *J. Immunol.* 155:5700-5704.

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Czaja, A.J., A.S. Abdulkarim, H.A. Carpenter, R.G. Perez, D.H. Persing, and N.N. Zein. Hepatitis G virus infection in type 1 autoimmune hepatitis. Submitted.

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